

This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Currently amended) Device for forming a number of thin-walled objects by means of a thermoforming process from a layer of material which is deformable when heated, comprising:

-a mold with cavities arranged therein, wherein an internal shape of each of the cavities corresponds with an external shape of an object to be formed in each cavity; and means for carrying the layer of material to be molded onto the mold;

wherein the cavities are each enclosed by a cavity wall which is divided into wall segments;

wherein the wall segments are movable in a linear direction between a first position, in which they enclose the cavity and a second position in which an object formed in the cavity is released; and

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wherein the wall segments of each cavity are coupled to a linear drive member,

wherein the linear drive member executes a linear movement in a direction substantially perpendicular to a direction of movement of the wall segments,

wherein the linear drive member is connected to the segments by means of a coupling converting said linear direction of movement of the drive member to the movement of the wall segment in a substantially perpendicular direction, and

wherein the drive member extends substantially in a space underneath the cavity, and

wherein the coupling comprises prismatic pins, each pin extending at the same angle relative to the direction of movement of the linear drive member, and wherein the segments each comprise a channel receiving one of the prismatic pins, a longitudinal axis of the channel extending in substantially a same direction as a longitudinal axis of the pin,

2. (Canceled)

3. (Canceled)
4. (Previously Presented) Device as claimed in claim 1, wherein the linear drive member extends in the vertical direction.
5. (Previously Presented) Device as claimed in claim 1, wherein the mold comprises a plate which engages the wall segments; wherein the plate has guide means for guiding the wall segments when they execute their movement between the first position and the second position.
6. (Previously Presented) Device as claimed in claim 4, further comprising a stamp arranged in each of the cavities wherein the stamp is movable in vertical direction to eject an object formed in each cavity.
7. (Previously Presented) Device as claimed in claim 6, wherein the stamp of a cavity is coupled to the drive element of that cavity.
8. (Canceled)
9. (Canceled)
10. (Canceled)
11. (Previously Presented) Device as claimed in claim 1 wherein each cavity is enclosed by at least three segments wherein separating planes between the segments extend substantially perpendicularly of the upper surface of the mold, and each of the segments is movable between the first and second position by the linear drive member.

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12. (Previously Presented) Device as claimed in claim 11, wherein each cavity is enclosed by four segments, wherein each of the segments is movable by the linear drive member.